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Creating a TrendStats Chart

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Overview of TrendStats charts

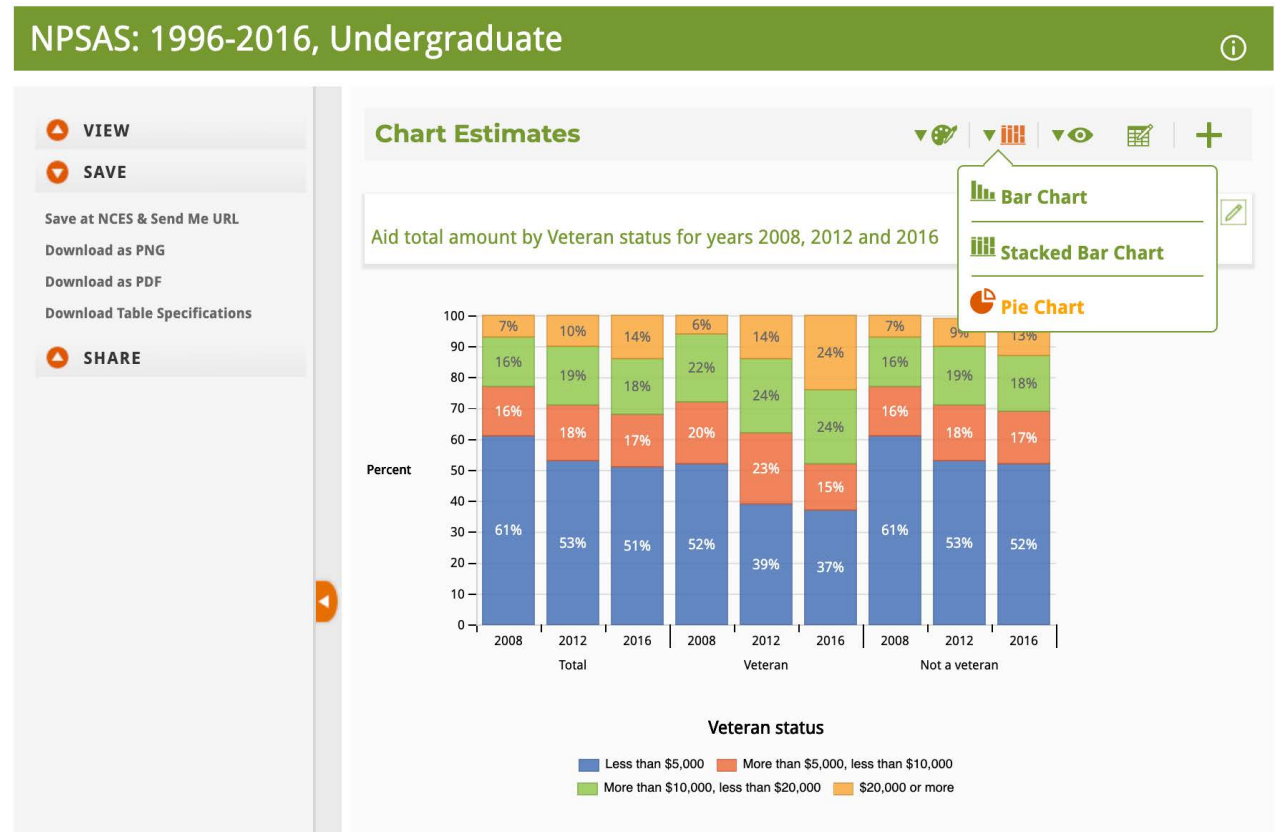
Introduction

Part of the DataLab suite of tools, TrendStats generates trends analyses spanning multiple study administrations.

In addition to generating trends analyses, TrendStats produces bar charts, pie charts, stacked bar charts, and line charts. Each chart style can be customized and saved.

The first part of this tutorial presents an overview of the major features of the TrendStats workspace, output page, and the various menus and options windows throughout the application.

The second part of this tutorial guides users through the six steps required to create a data visualization in TrendStats.



The image above shows a stacked bar chart created using TrendStats.

Log in to DataLab

Instructions

TrendStats is available through the DataLab homepage at

<https://nces.ed.gov/DataLab>.

TrendStats and PowerStats require DataLab user accounts; accounts are used to store recent work and user settings. To log in to TrendStats, do the following:

1. Click on the TrendStats button to expand the survey selection menu and select a dataset.
2. Enter your user e-mail address and password in the provided fields.
3. View the usage agreement under the heading labeled “Warning,” then select *I Agree* and click the *Login* button—this will launch TrendStats.

Note

If you do not have a DataLab account, you can create one by selecting the Create Account link at the top right of the login window and following the prompts.

The screenshot displays the DataLab homepage with a navigation bar at the top containing the 'DATALAB' logo and links for 'K-12', 'Postsecondary', and 'Adult Education'. On the left, a sidebar lists 'ALL TOPICS' including Attendance and Enrollment, Education History, Educational Transitions, Employment, Faculty and Staff, Finance, Parents and Family, Pre-K and K-12 Staff, School and Institutional Characteristics, School Statistics, Special Education, Staffing, Student Characteristics, and Teachers and Teaching. The main content area features a 'LAUNCH BY DATASET' section with buttons for QuickStats, PowerStats, and TrendStats. The TrendStats button is highlighted with an orange box. Overlaid on this is a login window for TrendStats. At the top right of the login window is a 'Create account' link, also highlighted with an orange box. The login form includes fields for 'User e-mail:' and 'Password:'. Below these is a 'WARNING' section with a paragraph of text about U.S. Federal Government computer system access. At the bottom of the warning section is a checkbox labeled 'I Agree'. Below the checkbox are links for 'Forgot your password?' and 'Cancel', and a 'LOG IN' button.

TrendStats charts workspace

Overview of features

1. Variable menu

Variables are listed here by topic and can be sorted by available year. Click and expand a subject to see variables within the subject.

2. Y-axis variable area

Y-axis variable selections appear here. Variables can be added to variable areas through click and drag.

3. X-axis variable area

X-axis variable selections appear here.

4. Filter variable area

Filter selections appear here.

5. Workspace menu

The menu options allow you to change the chart type, clear selections, download chart specifications, or run your analysis.

NPSAS: 1996-2016, Undergraduate

FIND VARIABLES: GO

1 VARIABLES BY YEAR
ALL VARIABLES
Continuous / Categorical

ACADEMICS
ATTENDANCE
COURSE TAKING
DEGREE ATTAINMENT
DEMOGRAPHICS
DISABILITIES
EMPLOYMENT
ENROLLMENT
FINANCES
FINANCES: INCOME
FINANCIAL AID
FINANCIAL AID: APPLICATION
FINANCIAL AID: BORROWED CUMULATIVE
FINANCIAL AID: FEDERAL
FINANCIAL AID: INSTITUTIONAL
FINANCIAL AID: NEED
FINANCIAL AID: NET PRICE
FINANCIAL AID: PACKAGE
FINANCIAL AID: RATIOS
FINANCIAL AID: STAFFORD
FINANCIAL AID: STATE
FINANCIAL AID: TOTAL
HIGH SCHOOL
INSTITUTION PRICE

2 Y-AXIS 1:
Drag desired variable here.

Y-AXIS 2:
Optional. Drag desired variable here.

Y-AXIS 3:
Optional. Drag desired variable here.

Y-AXIS 4:
Optional. Drag desired variable here.

3 X-AXIS:
Drag desired variable here.

Working Title - Column Variable by Row Variable

Select a x-axis and a y-axis.

4 FILTER 1:
Optional. Drag desired variable here.

FILTER 2:
Optional. Drag desired variable here.

5 Workspace > Averages, Medians, & Percentiles
Chart type icons: Bar, Line, Pie, Scatter, Map, etc.
CREATE

HOW DO FILTERS WORK? ?

Variable menu

Overview

TrendStats variables are listed by subject in the variable menu.

The variable menu is on the left-hand side of the TrendStats workspace. Variable subjects are listed alphabetically under the heading labeled “All Variables.” Click and expand a subject to see all variables within that subject.

To limit variables by available year, click the heading labeled “Variables by Year” and choose a year from the dropdown menu (see the highlighted image to the right).

Variables can be dragged from the variable menu directly to the x-axis, y-axis, or filter areas of the TrendStats workspace to add variables to your analysis.

Clicking on a variable will launch the variable options window (see the highlighted image to the right).

Learn more about the variable options window on the following page.

The screenshot displays the TrendStats workspace interface. On the left, the 'VARIABLES BY YEAR' menu is highlighted with an orange box. Below it, the 'SEARCH RESULTS' section shows a list of variables under the heading 'ALL VARIABLES'. The variable 'Prior degree: Associate's degree' is highlighted with an orange box. To the right, the 'VARIABLES BY YEAR' dropdown menu is open, showing a list of years from 1996 to 2016, with 2016 selected. Below this, the 'PRIOR DEGREE: ASSOCIATE'S DEGREE' variable options window is open, showing the variable's description and options to use it as a Y-axis, X-axis, or Filter.

VARIABLES BY YEAR

SEARCH RESULTS

Continuous / Categorical

Cumulative amount borrowed for undergrad

ALL VARIABLES

Continuous / Categorical

- ACADEMICS
- ATTENDANCE
- COURSE TAKING
- DEGREE ATTAINMENT
 - Prior degree: Associate's degree
 - Prior degree: Master's degree
 - Prior degree: Post BA certificate
 - Prior degree: Post MA certificate
 - Prior degree: Undergraduate certificate or diploma
- DEMOGRAPHICS
- DISABILITIES
- EMPLOYMENT
- ENROLLMENT
- FINANCES
- FINANCES: INCOME
- FINANCIAL AID
- FINANCIAL AID: APPLICATION
- FINANCIAL AID: BORROWED

VARIABLES BY YEAR

CHOOSE YEAR ✓ 1996 2000 2004 2008 2012 2016

ACADEMICS

ATTENDANCE

DEGREE ATTAINMENT

DEMOGRAPHICS

EMPLOYMENT

PRIOR DEGREE: ASSOCIATE'S DEGREE

Indicates whether the student has already earned an associate's degree since high school.

This categorical variable has the following default categories: No, Yes.

Years Available: 2000, 2004, 2008, 2012 and 2016.

Use Variable View Descriptive Statistics Get More Info

Click an option below to use this variable.

Y-axis X-axis Filter

TIP: You can drag and drop this variable into the workspace.

Variable options window

Overview

The variable options window includes various variable action options and additional information regarding the variable. The variable description appears at the top of the options window, and the three tabs below contain the following:

1. Variable option buttons

These action buttons can add a variable to the y-axis or x-axis or as a filter. Variables can also be dragged into the workspace.

2. View descriptive statistics

The *View Descriptive Statistics* tab includes detailed information about variable categories and response distributions for each survey year for which the variable is available.

3. Get more info

The *Get More Info* tab includes additional variable metadata (such as notes, variables sources, and programming notes) for each survey year that the variable is available.

The screenshot shows the 'Variable Options' window for the variable 'PRIOR DEGREE: ASSOCIATE'S DEGREE'. The window has three tabs: 'Use Variable', 'View Descriptive Statistics', and 'Get More Info'. Callout 1 points to the 'Use Variable' tab, which contains buttons for 'Y-axis', 'X-axis', and 'Filter'. Callout 2 points to the 'View Descriptive Statistics' tab, which displays data for the years 2000 and 2004. Callout 3 points to the 'Get More Info' tab, which displays detailed metadata for the years 2000 and 2004.

2000

Value	Percentage	Label
1	9.03	Yes
-9	7.46	{Missing}
0	83.51	No

2004

Value	Percentage	Label
1	10.26	Yes

2000

Name: DEGA
Label: Prior attainment: associate's degree
Notes: Based on CATI interview. See DEGHIGH for CATI question details. Added: February 2004
Applies to: All CATI respondents. Use WTB00 as weight.
Variable source: NPSAS 2000: Student CATI

2004

Name: DEGEARNB
Label: Degree already earned: Associate's degree
Notes: This variable has been set to zero if respondent had not earned degree since high school.
Applies to: All respondents.

Search for variables

Search by term

You can search for variables using search terms, for example, “cumulative” or “borrowed.” To search by search term, enter the search term (e.g., “cumulative”) in the box labeled “Find Variables.”

Variables with “cumulative” in their label appear in the left-hand variable menu under the heading “Search Results.”

The screenshot shows the NPSAS: 1996-2016, Undergraduate interface. At the top, a green header bar contains the text "NPSAS: 1996-2016, Undergraduate" and a search box labeled "FIND VARIABLES:" with the word "cumulative" entered and a "GO" button. Below the header, the interface is divided into two main sections. On the left, a sidebar menu has a "SEARCH RESULTS" section highlighted with an orange box, containing a list of variables: "Cumulative amount borrowed for undergrad", "Cumulative federal loan amount for undergrad", "Cumulative federal loan amount owed for undergrad", "Cumulative loan type for undergrad", and "Cumulative non federal loan amount for undergrad". On the right, the "Workspace" section is titled "Averages, Medians, & Percents" and features four Y-axis boxes labeled "Y-AXIS 1:" through "Y-AXIS 4:". Each box contains a prompt: "Drag desired variable here." or "Optional. Drag desired variable here." Below these boxes is a "Working Title - Dependent Variable by Independent Variable" section and an "X-AXIS:" label.

Search by variable name

If you know the name of the variables you wish to use, you can search for them by name. To search by variable name, enter the variable name (e.g., “BORAMT1”) in the box labeled “Find Variables.”

Results for BORAMT1 appear in the left-hand variable menu under the heading “Search Results.”

The screenshot shows the NPSAS: 1996-2016, Undergraduate interface. At the top, a green header bar contains the text "NPSAS: 1996-2016, Undergraduate" and a search box labeled "FIND VARIABLES:" with the variable name "BORAMT1" entered and a "GO" button. Below the header, the interface is divided into two main sections. On the left, a sidebar menu has a "SEARCH RESULTS" section highlighted with an orange box, containing a list of variables: "Cumulative amount borrowed for undergrad". Below this is an "ALL VARIABLES" section with a list of categories: "ACADEMICS", "ATTENDANCE", and "COURSETAKING". On the right, the "Workspace" section is titled "Averages, Medians, & Percents" and features four Y-axis boxes labeled "Y-AXIS 1:" through "Y-AXIS 4:". Each box contains a prompt: "Drag desired variable here." or "Optional. Drag desired variable here." Below these boxes is a "Working Title - Dependent Variable by Independent Variable" section and an "X-AXIS:" label.

Customize variable categories

Make my own categories

Users may create custom variable categories in TrendStats. This is particularly useful for continuous variables (e.g., Total Aid Amount, Grade Point Average , Age) and for combining variable categories for variables with large numbers of categories (e.g., Field of Study). The example to the right shows the *Make My Own Categories* window for the continuous variable Age. To make custom categories, do the following:

1. Expand the ribbon labeled “Make My Own Categories.”
2. Enter start and end values for each category being created, then enter a corresponding category label.
3. Click the *Go* button to add the variable or the *Add Row* button to add additional variable categories.

Tip

For Percentage Distribution analyses, limiting the number of y-axis variable categories to five or fewer is recommended. For all analysis types, limiting the number of x-axis variable categories to five or fewer is recommended.

OPTIONS

MAKE MY OWN CATEGORIES

Age

For best results, limit variable categories to 5 or fewer categories. Use Make My Own Categories to select and combine categories.

Enter values and labels below to make your own categories. Values are inclusive. It may be helpful to [view descriptive statistics](#) for this variable. Categories in braces are skips or missing values. [Learn more.](#)

Start Value	End Value	Label
0	24	24 or younger
25	29	25 to 29
30	39	30 to 39
40	99	40 or older

ADD ROW

GO

USE DEFAULT CATEGORIES

TrendStats charts output page

Overview of features

1. View

Toggle between the chart, tables of estimates and standard errors, or a printer-friendly view.

2. Save

Save the chart in TrendStats for later retrieval, download as a CSV, PNG, and PDF, or download chart specification.

3. Share

E-mail the chart to a friend or colleague.

4. Change color

Toggle between chart color palettes, including a neutral, bold, and black and white palette.

5. Change chart type

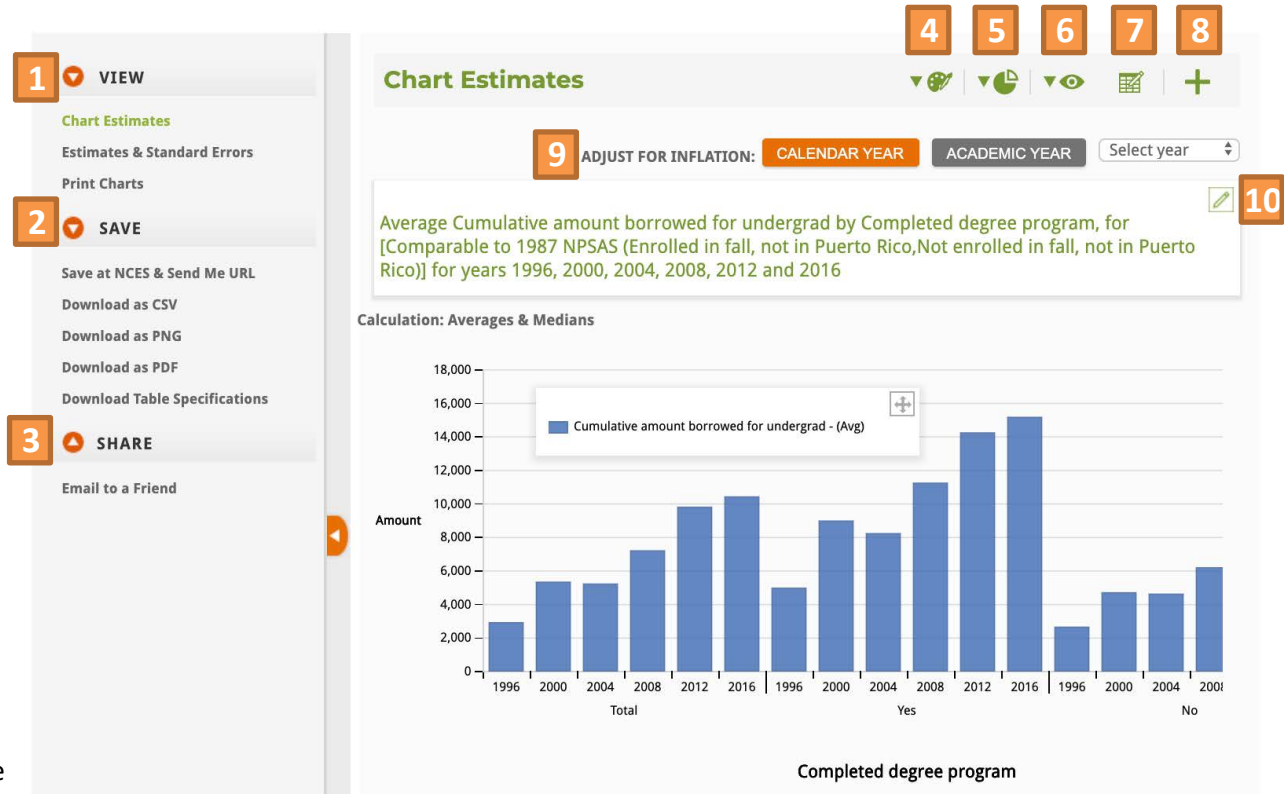
Toggle between chart types, including bar chart, stacked bar chart, pie chart, and line chart.

6. Change view

Toggle between Web view and Print view.

7. Edit chart

Click to return to the chart workspace and edit the analysis.



8. New chart

Click to create a new chart.

9. Adjust for inflation

Adjust chart dollar values for inflation.
Learn more on pg. 19.

10. Edit title

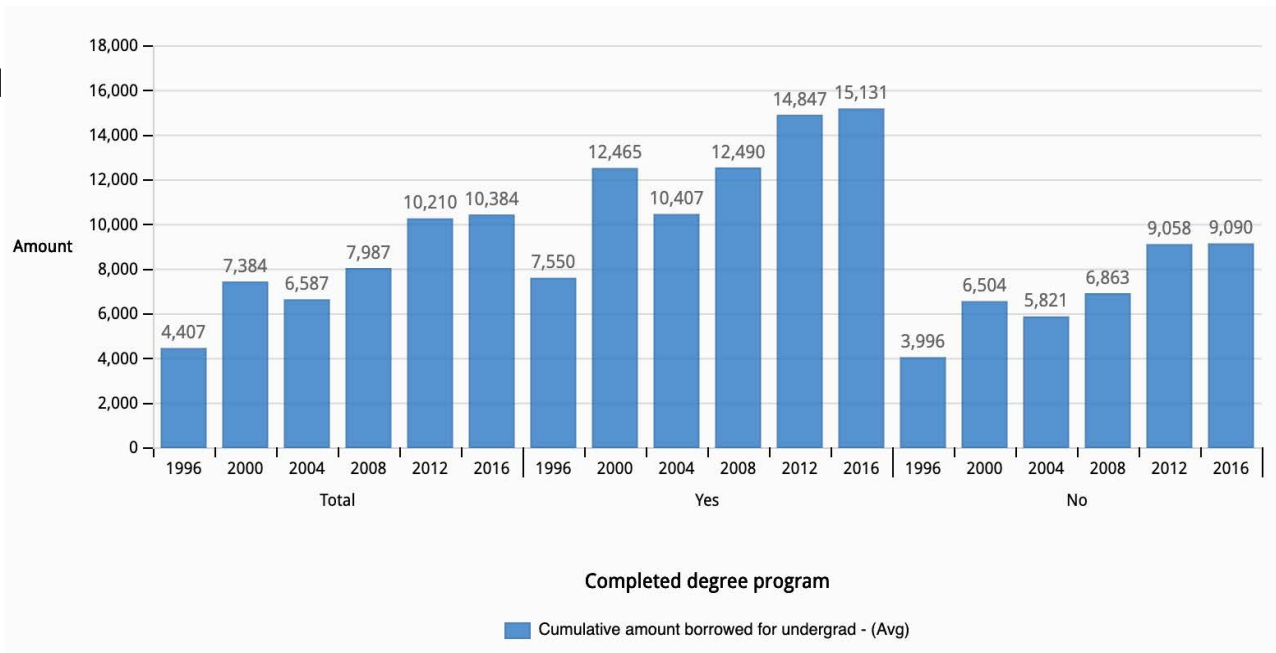
Click the pencil icon to edit the chart title.

Exercise: Creating a chart in TrendStats

This exercise will guide you through the six steps required to create the bar chart below.

This example bar chart shows the average amount borrowed for undergraduate education, by the respondent's degree completion status, for the years 1996, 2000, 2004, 2008, 2012, and 2016.

The chart uses data from the National Postsecondary Student Aid Study (NPSAS), Undergraduate Students dataset.



Step 1. Select survey and launch TrendStats

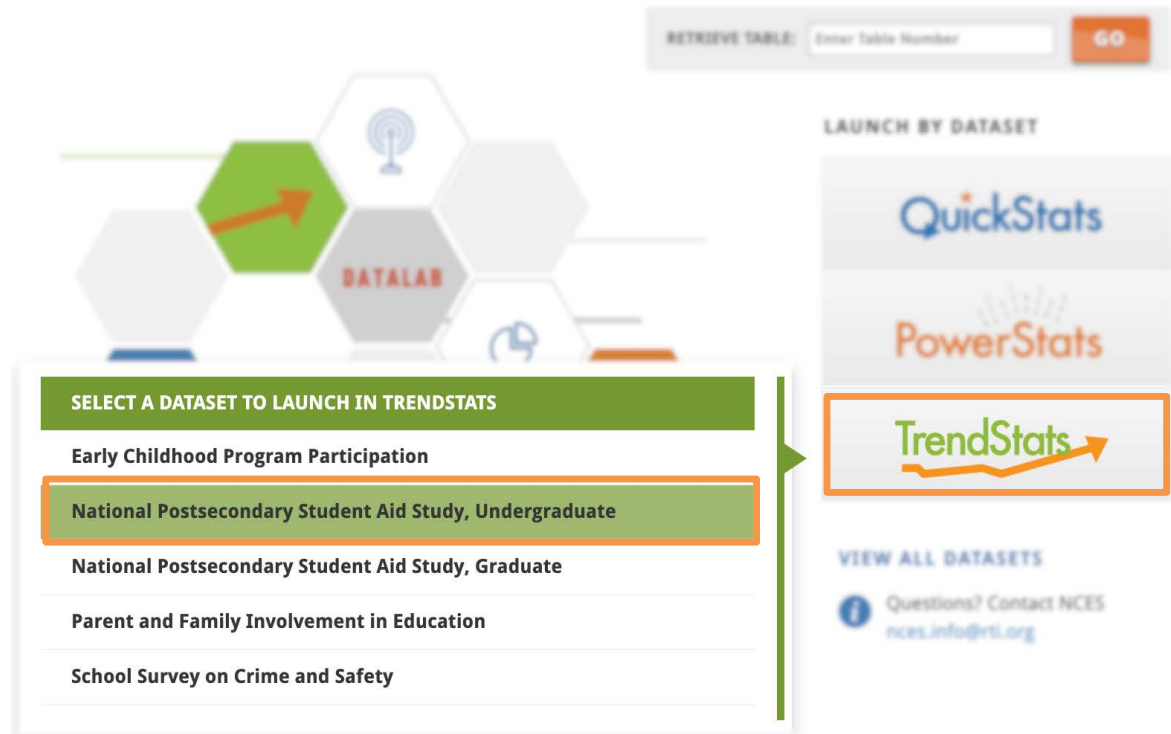
Instructions

To access TrendStats, visit the DataLab homepage at

<https://nces.ed.gov/DataLab>

To select the NPSAS Undergraduate Students dataset in TrendStats, do the following:

1. Click the TrendStats button under the *Launch by Dataset* heading—the dataset selection menu will expand.
2. Scroll down and select the dataset labeled *National Postsecondary Student Aid Study, Undergraduate*—the login window will launch.



Step 2. Select analysis and chart type

Instructions

TrendStats generates four types of analyses: percentage distributions, averages, medians, and percentages.

The bar chart featured on pg. 9 presents averages. To launch the *Averages, Medians & Percentages* workspace, do the following:

1. Select the *Create Chart* tab, highlighted in the image to the right.
2. Select the button labeled *Averages, Medians & Percentages*—the workspace will launch.

The screenshot shows the TrendStats web application interface. At the top, there is a navigation bar with the TrendStats logo, a 'MORE TOOLS' link, a 'LEARNING' link, and a 'DATALAB' link with a user profile icon. Below the navigation bar, there is a green header bar with the text 'NPSAS: 1996-2016, Undergraduate' and a plus icon. On the left side, there is a sidebar with a 'GET TABLE:' section containing a text input field 'Enter Table Number:' and a 'GO' button. Below this, there are three buttons: 'SELECT DIFFERENT DATASET', 'IMPORT FILE', and 'RECENT WORK'. The main content area has two tabs: 'CREATE TABLE' and 'CREATE CHART', with 'CREATE CHART' being the active tab. Below the tabs, there are two large circular icons representing different chart types. The first icon is labeled 'PERCENTAGE DISTRIBUTION' and has a description: 'Generates percentage of population in each category of a variable, displayed in columns.' The second icon is labeled 'AVERAGES, MEDIANS & PERCENTAGES' and has a description: 'Computes any of three statistics (averages, medians, or percentages) for your selected variables, displayed in columns.' The second icon and its description are highlighted with an orange border.

Step 2. Select analysis and chart type

Instructions

TrendStats generates two types of data visualizations for *Averages, Medians & Percentages*: bar charts and line charts.

Bar charts are the default visualization type in the *Averages, Medians & Percentages* workspace. To change the chart type, do the following:

1. Find the bar chart icon in the workspace menu (highlighted in the image to the right) to expand the chart dropdown menu.
2. Click the *Line Chart* icon to switch to a line chart. Switch back to a bar chart to continue creating the chart on pg. 9.

Tip

In addition to bar charts, the *Percentage Distribution analysis in TrendStats* generates pie charts and stacked bar charts.

The screenshot displays the TrendStats workspace interface. On the left, a sidebar lists variables under 'VARIABLES BY YEAR' and 'ALL VARIABLES'. The main workspace area shows a title 'Workspace > Averages, Medians, & Percentages' and a 'CREATE' button. Below the title, there are four Y-axis selection boxes labeled 'Y-AXIS 1:', 'Y-AXIS 2:', 'Y-AXIS 3:', and 'Y-AXIS 4:'. A dropdown menu is open, showing 'Bar Chart' and 'Line Chart' options. Below the Y-axis boxes, there is a text input field for 'Working Title - Dependent Variable by Independent Variable'. At the bottom, there is an 'X-AXIS:' label and a text input field. A large, faint line chart graphic is overlaid on the bottom right, with the text 'Select a x-axis and a y-axis.' inside it.

Step 3. Select y-axis variable

Instructions

Y-axis (dependent) and x-axis (independent) variables must be added to create a chart. To calculate an average value, begin by adding a variable to the y-axis area of the workspace.

To create the chart on pg. 9, find the variable *Cumulative Amount Borrowed for Undergrad (BORAMT1)* and add it to the y-axis. To find and select the variable, do the following:

1. In the variable menu, scroll to find the subject labeled “Financial Aid: Borrowed Cumulative.” Click to expand the subject.
2. Select the variable labeled “Cumulative Amount Borrowed for Undergrad”—this will launch the variable information window.
3. In the variable information window, click the *Y-axis* button or click and drag the variable label to the y-axis variable area—an *Options* window will appear.

Instructions continue on following page.

The screenshot displays the NPSAS: 1996-2016, Undergraduate workspace. On the left, a variable menu lists categories like FINANCIAL AID: BORROWED CUMULATIVE. The variable 'Cumulative amount borrowed for undergrad' is highlighted. On the right, the variable information window for 'CUMULATIVE AMOUNT BORROWED FOR UNDERGRAD' is open. It includes a description of the variable, its default cutpoints, and the years collected. At the bottom of this window, three buttons are visible: 'Y-axis' (highlighted with an orange box), 'X-axis', and 'Filter'. A tip below these buttons states: 'TIP: You can drag and drop this variable into the workspace.'

Step 3. Select y-axis variable

Instructions, cont.

The variable *Options* window lists the available analysis types and allows for additional selections and modifications.

1. In the *Options* window, select the ribbon labeled “Averages.” This is the default option.
4. In the “Averages” ribbon, select the radio button labeled “With zeros.” This will include values of 0 in the mean calculation.
5. Click the Go button. The workspace is now ready to calculate the average *Cumulative Amount Borrowed for Undergrad* as the y-axis.

Tip

Although the example bar chart uses only one y-axis variable, TrendStats allows for up to five different y-axis variables in an Averages, Medians & Percentages bar or line chart.

The screenshot displays the NPSAS: 1996-2016, Undergraduate workspace. On the left, a list of variables is shown, including 'FINANCIAL AID: BORROWED CUMULATIVE'. The 'Options' window is open, showing the 'AVERAGES' tab selected. The 'Cumulative amount borrowed for undergrad' variable is entered in the text box. The 'With zeros' radio button is selected. The 'GO' button is highlighted. The background shows a bar chart with the text 'Select a x-axis and a y-axis.'

Step 4. Select x-axis variable

Instructions

To create the chart on pg. 9, the variable *Completed Degree Program (PROGSTAT)* must be added to the x-axis. To find and select the variable, do the following:

1. Enter the search term “completed degree program” in the box labeled “Find Variables.”
2. In the variable menu, under the heading labeled “Search Results,” click on the variable labeled “Completed Degree Program.”
3. In the variable information window, click the *X-axis* button or click and drag the variable from the variable menu to the x-axis variable area—an *Options* window will appear.
4. In the *Options* window, under the heading labeled “Use Default Categories,” review the variable category selections, then click the *Go* button—the x-axis variable is now added.

The screenshot displays the NPSAS: 1996-2016, Undergraduate interface. At the top, a search bar labeled "FIND VARIABLES:" contains the text "PROGSTAT" and a "GO" button. Below the search bar, the "Variables by Year" and "Search Results" sections are visible. The "Search Results" section shows a list of variables, with "Completed degree program" highlighted. To the right, the "Workspace" area shows a bar chart with the title "Averages, Medians, & Percents". Below the chart, a text box says "Select a x-axis and a y-axis." An "Options" window is open, showing the "USE DEFAULT CATEGORIES" section. This section includes a text input field with "Completed degree program" and a "GO" button. The "Options" window also has a "MAKE MY OWN CATEGORIES" section and a "Y-AXIS 4:" section. The "Y-AXIS 4:" section contains a text box with the instruction "Optional. Drag desired variable here."

Step 5. Select filter variable

Instructions

Up to two filters can be used in TrendStats to filter chart values by selected categories. The chart on pg. 9 uses the filter *Comparable to 1987 NPSAS (COMPTO87)* to exclude Puerto Rico from the analysis. To add COMPTO87 as a filter, do the following:

1. Enter the variable name “COMPTO87” in the box labeled “Find Variables.”
2. Results for COMPTO87 appear in the left-hand variable menu under the heading “Search Results.” Click on the variable to open the variable information window.
3. In the variable information window, click the *Filter* button or click and drag the variable to the Filter 1 or Filter 2 area—a *Filter Options* window will appear.
4. In the *Filter Options* window, select the categories labeled “Enrolled in Fall, not in Puerto Rico” and “Not enrolled in fall, not in Puerto Rico” and click the *Go* button—the filter is now added.

The screenshot displays the TrendStats interface. On the left, the 'ALL VARIABLES' list is expanded to 'FINANCIAL AID: STATE'. The 'Search Results' section shows 'Comparable to 1987 NPSAS' under the 'Continuous / Categorical' heading. The main workspace shows a bar chart with four orange bars. A 'FILTER OPTIONS' window is open, showing the search results for 'Comparable to 1987 NPSAS'. The window lists categories with checkboxes: 'Enrolled in fall, not in Puerto Rico' (checked), 'Enrolled in fall, in Puerto Rico' (unchecked), 'Not enrolled in fall, in Puerto Rico' (unchecked), 'Not enrolled in fall, not in Puerto Rico' (checked), and '{Don't know}' (unchecked). The 'GO' button is highlighted. Below the chart, the 'FILTER 1' field contains 'Comparable to 1987 NPSAS' and the 'FILTER 2' field is empty.

VARIABLES BY YEAR

SEARCH RESULTS

Continuous / Categorical

Comparable to 1987 NPSAS

ALL VARIABLES

Continuous / Categorical

ACADEMICS

ATTENDANCE

COURSE TAKING

DEGREE ATTAINMENT

DEMOGRAPHICS

DISABILITIES

EMPLOYMENT

ENROLLMENT

FINANCES

FINANCES: INCOME

FINANCIAL AID

FINANCIAL AID: APPLICATION

FINANCIAL AID: BORROWED CUMULATIVE

FINANCIAL AID: FEDERAL

FINANCIAL AID: INSTITUTIONAL

FINANCIAL AID: NEED

FINANCIAL AID: NET PRICE

FINANCIAL AID: PACKAGE

FINANCIAL AID: RATIOS

FINANCIAL AID: STAFFORD

FINANCIAL AID: STATE

Workspace > Averages, Medians, & Percents

Y-AXIS 1: Cumulative amount borrowed for undergrad

Y-AXIS 2: Optional. Drag desired variable here.

Y-AXIS 3: Optional. Drag desired variable here.

Y-AXIS 4: Optional. Drag desired variable here.

FILTER OPTIONS

Comparable to 1987 NPSAS

The following categories will be added to your table. Unselect the categories you do not wish to include.

X-AXIS: Complete program

Select All | Deselect All

☒ Enrolled in fall, not in Puerto Rico

☐ Enrolled in fall, in Puerto Rico

☐ Not enrolled in fall, in Puerto Rico

☒ Not enrolled in fall, not in Puerto Rico

☐ {Don't know}

GO

FILTER 1: Comparable to 1987 NPSAS

FILTER 2: Optional. Drag desired variable here.

HOW DO FILTERS WORK?

Step 6. Run analysis and adjust for inflation

Instructions

The workspace is now populated with y-axis and x-axis variables, and the analysis is ready to be processed. To run the analysis, do the following:

1. Click the *Create* button—the year selection window will appear.
2. Select the years 1996, 2000, 2004, 2008, 2012, and 2016 and click the *Go* button.

In addition, you may click the X icon to clear the workspace or the download icon to save the chart specifications.

The screenshot displays the 'Workspace' interface for data analysis. On the left, a sidebar lists variables under 'VARIABLES BY YEAR' and 'SEARCH RESULTS'. The 'ALL VARIABLES' section is expanded, showing a list of categories like ACADEMICS, ATTENDANCE, COURSETAKING, etc. The main workspace area shows four Y-AXIS slots (Y-AXIS 1 to Y-AXIS 4) and one X-AXIS slot. Y-AXIS 1 is populated with 'Cumulative amount borrowed for undergrad'. The X-AXIS is populated with 'Completed degree program'. A 'SELECT YEARS' dialog box is open, showing a list of years to include: 1996, 2000, 2004, 2008, 2012, and 2016. A 'GO' button is at the bottom of the dialog. The background shows a bar chart with four orange bars of decreasing height.

VARIABLES BY YEAR

SEARCH RESULTS

Continuous / Categorical

Completed degree program

ALL VARIABLES

Continuous / Categorical

ACADEMICS

ATTENDANCE

COURSETAKING

DEGREE ATTAINMENT

DEMOGRAPHICS

DISABILITIES

EMPLOYMENT

ENROLLMENT

FINANCES

FINANCES: INCOME

FINANCIAL AID

FINANCIAL AID: APPLICATION

FINANCIAL AID: BORROWED CUMULATIVE

FINANCIAL AID: FEDERAL

FINANCIAL AID: INSTITUTIONAL

FINANCIAL AID: NEED

Workspace > Averages, Medians, & Percents

Y-AXIS 1: Cumulative amount borrowed for undergrad

Y-AXIS 2: Optional. Drag desired variable here.

Y-AXIS 3: Optional. Drag desired variable here.

Y-AXIS 4: Optional. Drag desired variable here.

X-AXIS: Completed degree program

SELECT YEARS

Select years to include:

- ☒ 1996
- ☒ 2000
- ☒ 2004
- ☒ 2008
- ☒ 2012
- ☒ 2016

Note: Years included in your table are limited by variable availability.

GO

Variable by Independent Variable

Step 6. Run analysis and adjust for inflation

Instructions

In TrendStats, dollar-value variables can be adjusted for inflation; this is helpful for analyzing financial data across time.

The estimates in the chart on pg. 9 are adjusted to calendar year 2016 dollars. To adjust estimates for inflation, do the following:

1. Select the *Calendar Year* button.
2. Expand the dropdown menu labeled “Select year,” then click on “2016”—the chart estimates will automatically adjust.

TrendStats can also adjust values for inflation based on academic year. To adjust values for inflation by academic year, select the *Academic Year* button and choose an academic year from the dropdown menu.



Modify finished chart

Instructions

The image to the right shows the chart after switching to a line chart and collapsing the left-hand menu. Use the highlighted menu options to do the following:

1. Change color

Change chart colors by clicking on the color palette icon. Options include neutral, bold, and black and white palettes.

2. Change chart type

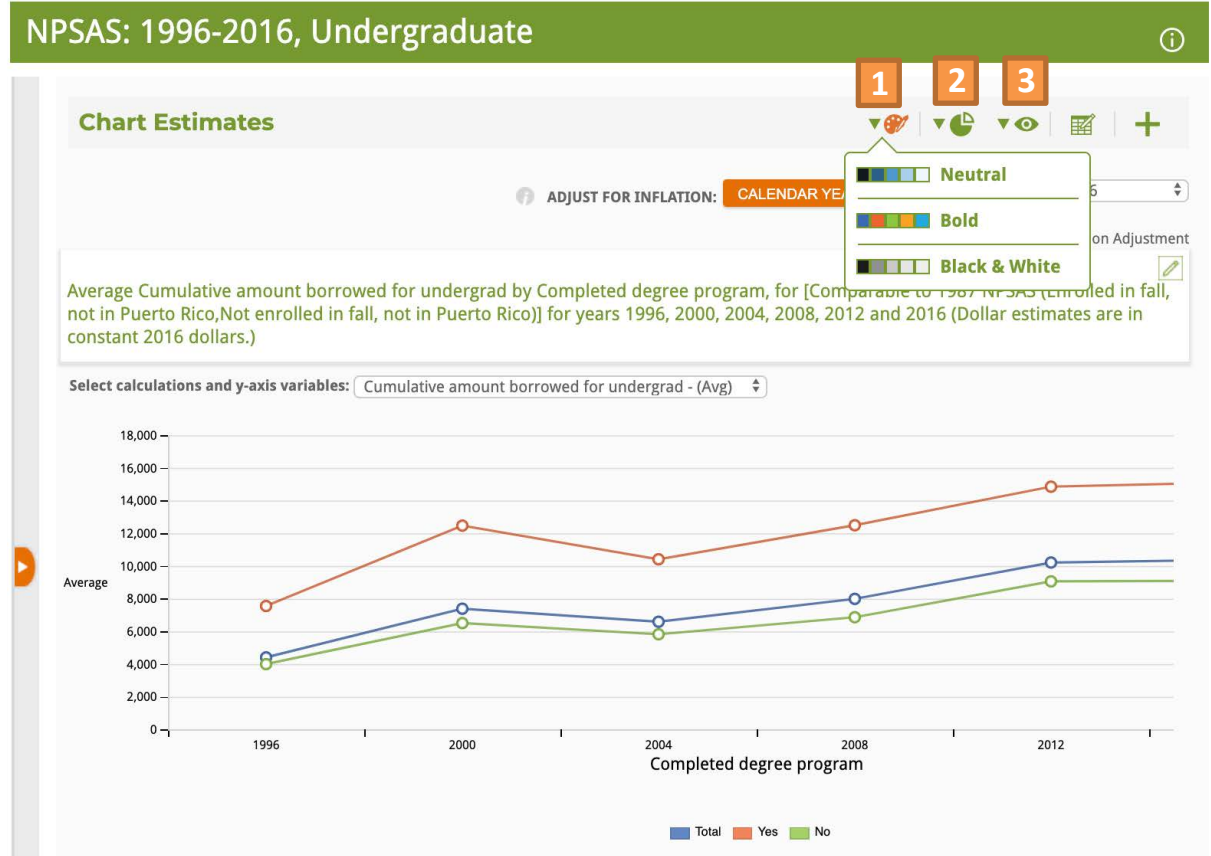
Change the chart type by clicking on the pie chart icon.

3. Change view

Switch from Web view to Print view by clicking on the eye/view icon.

Tip

Use the Web view to see interactive chart components, such as value labels, when hovering over the chart with a mouse. Use the Print view to see all values and legends printed directly on the chart.



Learn more about NCES and DataLab

Explore DataLab

To learn more about TrendStats, PowerStats, and QuickStats and create other custom analyses, visit the DataLab homepage at <https://nces.ed.gov/DataLab>

Learn more about NCES

To learn more about the National Center for Education Statistics (NCES) and about other surveys, programs, and data tools, visit the NCES homepage at <https://nces.ed.gov>

Contact Us

Have other questions about NCES' surveys, programs, and data tools? Contact the NCES Help Desk by e-mail at nces.info@rti.org

The image shows a screenshot of the NCES DataLab and NCES homepage. The top section is the DataLab interface, which includes a navigation bar with 'P-12', 'Postsecondary', and 'Adult Education' tabs. Below this is a 'RETRIEVE TABLE' search bar and a 'GO' button. The main content area features a hexagonal grid with icons for various data tools like 'Attendance and Enrollment', 'Education History', 'Educational Transitions', 'Employment', 'Faculty and Staff', 'Finances', 'Parents and Family', 'Pre-K and K-12 Staff', 'School and Institutional Characteristics', 'School Districts', 'Special Education', 'Staffing', 'Student Characteristics', and 'Teachers and Teaching'. To the right, there's a 'LAUNCH BY DATASET' section with buttons for 'QuickStats', 'PowerStats', and 'TrendStats'. Below this is the NCES logo and a search bar. The main banner features a photo of students in a classroom and the text 'Digest of Education Statistics' with a description: 'The 51st edition of the Digest contains statistics about every level of education, from prekindergarten to graduate school.' Below the banner is a navigation bar with links for 'About Us', 'Surveys and Programs', 'Publications and Products', and 'Data and Tools'. The bottom section is titled 'WHAT'S NEW AT NCES' and lists two recent releases: 'New Restricted-Use Data Released on Bachelor's Degree Recipients' (DEC 16) and 'Release of the PIAAC U.S. 2012/2014/2017 restricted use file' (DEC 13). To the right of this section is a graphic titled 'THE CONDITION OF EDUCATION' showing various educational icons.